

Dr. Kayo Ide

Dr. Kayo Ide received her BS in Aeronautical Engineering from Nagaya University, Japan, in 1984, where she studied interplanetary orbit optimization. She obtained her MS and Ph.D. in Aeronautics from California Institute of Technology in 1985 and 1989. Her Ph.D. thesis was on the study of isolated vortex dynamics as Hamiltonian system and Lagrangian chaos in the flow induced by the vortices fusing dynamical systems theory, with Professor Stephen Wiggins as her advisor. After obtaining her Ph.D., she joined University of California, Los Angeles (UCLA). Her primary research interests are development of data assimilation methods, in particular with observing system design and deployment strategy for Lagrangian-type instruments, as well as Lagrangian analysis of geophysical flows. She is a member of the JPL-UCLA group that has been developing near real-time coastal ocean data assimilation systems for US West Coast Oceans. In 2008, she joined University of Maryland. She has been actively involved in synergetic activities on data assimilation and will serve as the co-chair of the 14th Symposium on Integrated Observing and Assimilation Systems for the Atmosphere, Oceans, and Land Surface at the Annual AMS Meeting in 2010.